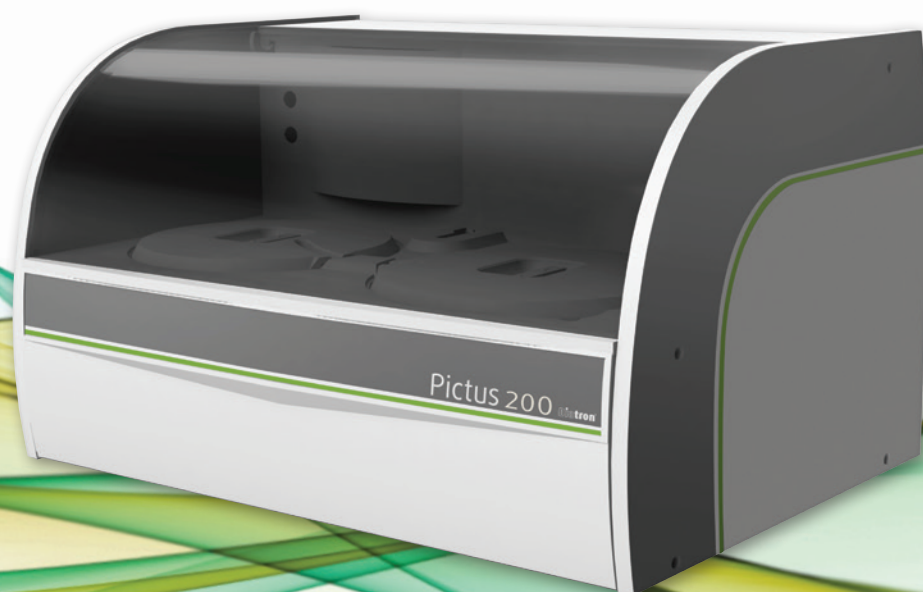




Pictus 200

An Affordable Automated Analyzer



Pictus 200

Analyzer Overview

The Diatron Group is proud to offer the Pictus 200, its entry level random access, compact automated benchtop clinical chemistry analyzer which delivers a throughput of up to 200 tests per hour while maintaining a small footprint, easy use, and efficiency. The system is very reliable and economical to operate by utilizing a limited list of consumables and a line of low cost reagents. The Pictus 200 is an ideal choice for small to medium laboratories that desire upper end technology at a lower end price.



Samples

- 48 position sample tray
- Primary tubes, with up to tube diameter and height of 13x75-100 mm,
- Pediatric/secondary tubes of various sizes
- Sample volume programmable between 2-100 μ L.
- Automatic pre and post dilution (e.g. over-range specimens)



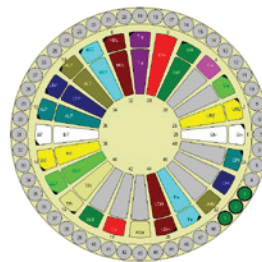
Multi-functional probe

- Crash Detection
- Liquid Level sensing
- Automatic Cleaning of inside and outside of probe
- Pre-heater for faster test times



Reagents

- 48 positions for reagent vials
- Removable reagent tray
- Typical reaction volume: 180 μ L
- Diatron CC reagents are recommended



Easy-to-use software

- User friendly, Windows format
- Flexible formatting for individual laboratory needs
- Large patient storage capacity
- Fully integrated QC, Levey-Jennings charts, Westgard rules
- Compatible with Windows XP, Vista, Windows 7 & 8 Operating Systems

Key features and benefits

Cost Effective – With low instrument cost, low cost consumables and reagents, the Pictus 200 provides one of the lowest cost reportable results the industry has to offer.

Easy to Operate – The system utilizes Windows based software, removable reagent tray and primary tube sample capability to provide for the ultimate ease of use.

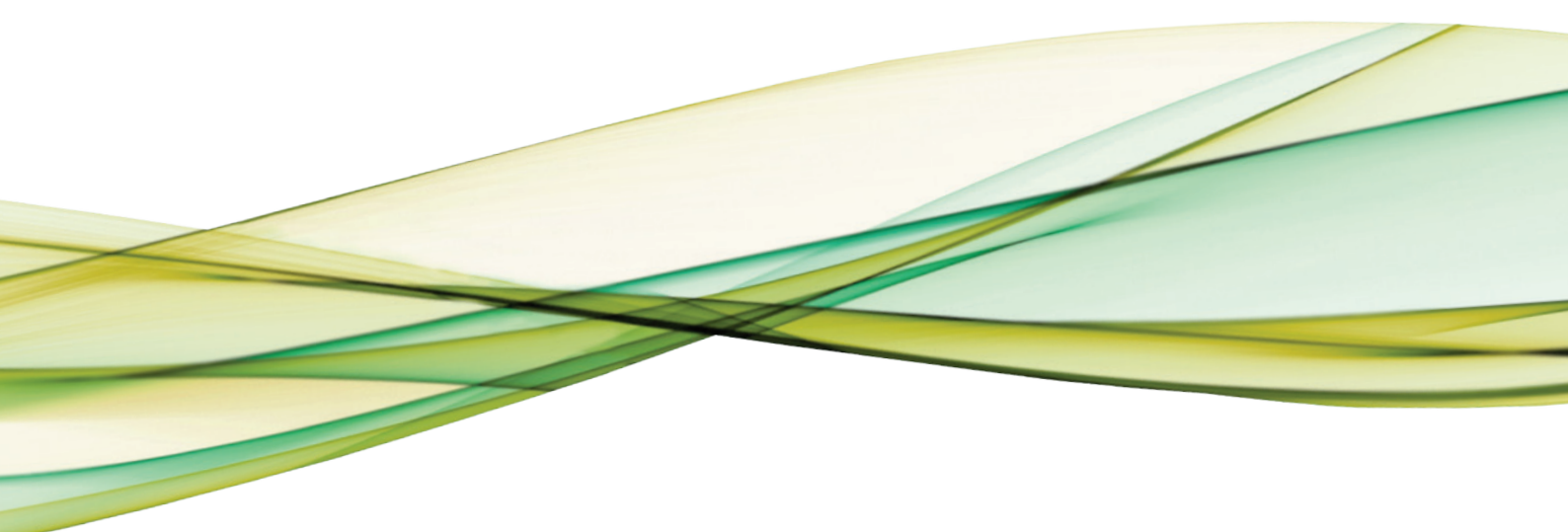
Intelligent Sample Management – The multi-function probe offers crash detection, liquid level sensing, while mixing (at various intensities) and pre-heat reagents when necessary.

Space Saving – The Pictus 200 requires only 85 cm of bench space and has a built in power supply. With a depth measuring under 58 cm, it easily fits on most all laboratory counter tops.

Large Data Management Capability – QC package includes Levey-Jennings plots and Westgard rules and stores up to 100,000 patient results on board.

Diatron Clinical Chemistry Reagents

In combination with the analyzer there are now **60 CE marked tests** in the Diatron product portfolio to offer a comprehensive range of **high quality** Clinical Chemistry reagents, calibrators and controls which meet the needs of today's growing laboratories. The new tests include **substrates, enzymes, electrolytes, lipids, specific proteins and special tests**. All reagents have been **specifically designed with the Diatron automated analyzers** in mind, so the combination of analyzer and reagents allows customers to enjoy features and benefits that are only normally possible on high cost Clinical Chemistry systems.



Throughput

- Up to 200 photometric tests/hour depending on configuration

Samples and Reagent**Samples**

- 48 positions
- Primary tubes with up to 13mm diameter and 100 mm height
- Accepts pediatric micro-sample tubes
- Sample volume: programmable 2–100 µL
- Continuous loading
- Sample automatic pre & post dilution

Reagents

- 48 position removable carousel
- Open Reagent Test menu
- Reagent 1: from 0 to 700 µL
- Reagent 2: from 0 to 450 µL

Reaction

- Reagent probe heater
- Auto dilution
- Liquid level sensor
- Washing outside and inside probe
- Typical reaction volume: 180 µL
- 80 position reaction tray
- Water consumption: 15 L / 10,000 test
- Warm air incubator: room temperature, 30°C and 37°C

Optical System

- Double beam
- Wavelengths: 340, 405, 450, 505, 550, 590, 650, 700 and 750 nm, other optional filters available
- Bandwidth: 10 nm
- Photometric range: -0.1 to 3.6 A
- Light source: halogen lamp 6 V - 20 W

Analytical Modes

- Selection by sample (profile) or by reagent (batch)
- Up to 10 standards per calibration curve
- End point and Color reactions
- Fast and two-point kinetics (zero and first order)
- Routine, batch, STAT, profiles – Enzymes, Drugs
- Automatic sample dilution on abnormal levels, excessive substrate consumption and/or lack of linearity
- Import/export of data, methods and historic file
- Automatic backup

Quality control

- Levey-Jennings plots
- Westgard rules

Quality Standards

- CE, EMC, IEC 61010-1

Data Management

- Bidirectional LIS interface, RS-232C, ASTM E-1381

Power requirements

- 85 to 230 VAC, 50/60 Hz, 400 VA

Dimensions

- Size (Width x Depth x Height)
85 cm x 58 cm x 47 cm
34 in x 23.2 in x 18.8 in
- Weight: 50 kg, 110 lbs

PC Requirements

- Up to Windows™ 8 computer, 4 Gbytes RAM, 500 Gbytes HDD, DVD-ROM drive, min. 1024 x 768 resolution SVGA, 15" or bigger monitor, keyboard, mouse, 2 RS-232 ports or 2 USB/RS-232 converters for link with the analyzer and LIS, USB port for printer

Printers

- Most printers supported by Windows can be connected

Your distributor

www.diatron.com



We are at your service any time.

Diatron reserves the right to change any of the specifications without prior notice. Version Nr. P200140411V1